

## Report of Analysis

|                    |                         |                 |                              |
|--------------------|-------------------------|-----------------|------------------------------|
| Client:            | First Environment, Inc. | Date Collected: | 08/04/25                     |
| Project:           | USACE018-44 DOD         | Date Received:  | 08/08/25                     |
| Client Sample ID:  | 22BP-WMSD               | SDG No.:        | Q2819                        |
| Lab Sample ID:     | Q2819-03MSD             | Matrix:         | SOIL                         |
| Analytical Method: | 8270E                   | % Solid:        | 85.8                         |
| Sample Wt/Vol:     | 30.08      Units:    g  | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                      | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N       | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0     | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                  |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP025517.D        | 1         | 08/14/25 08:40 | 08/20/25 21:52 | PB169242      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |      |            |                   |
| 100-52-7       | Benzaldehyde                | 1100  |           | 180  | 310  | 380        | ug/Kg             |
| 108-95-2       | Phenol                      | 1900  |           | 25.7 | 150  | 200        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1800  |           | 28.2 | 150  | 200        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 1900  |           | 28.4 | 150  | 200        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 1800  |           | 34.8 | 150  | 200        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1800  |           | 43.6 | 150  | 200        | ug/Kg             |
| 98-86-2        | Acetophenone                | 1800  |           | 34.3 | 150  | 200        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 1800  |           | 47.8 | 310  | 380        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1700  |           | 55.1 | 93.0 | 93.0       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 1900  |           | 20.5 | 150  | 200        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 1900  |           | 21.3 | 150  | 200        | ug/Kg             |
| 78-59-1        | Isophorone                  | 1800  |           | 38.1 | 150  | 200        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 1900  |           | 67.7 | 150  | 200        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1800  |           | 75.3 | 150  | 200        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1800  |           | 35.8 | 150  | 200        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 1900  |           | 32.9 | 150  | 200        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 1800  |           | 26.4 | 150  | 200        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 880   |           | 41.1 | 150  | 200        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 1900  |           | 29.4 | 150  | 200        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1800  |           | 60.6 | 310  | 380        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1900  |           | 33.4 | 150  | 200        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 1700  |           | 29.8 | 150  | 200        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 4000  | E         | 130  | 310  | 380        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 2000  |           | 23.0 | 150  | 200        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 2000  |           | 33.8 | 150  | 200        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 1900  |           | 25.3 | 150  | 200        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 1800  |           | 26.2 | 150  | 200        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 2000  |           | 55.9 | 150  | 200        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 1800  |           | 31.5 | 150  | 200        | ug/Kg             |

## Report of Analysis

|                    |                         |                 |                              |
|--------------------|-------------------------|-----------------|------------------------------|
| Client:            | First Environment, Inc. | Date Collected: | 08/04/25                     |
| Project:           | USACE018-44 DOD         | Date Received:  | 08/08/25                     |
| Client Sample ID:  | 22BP-WMSD               | SDG No.:        | Q2819                        |
| Lab Sample ID:     | Q2819-03MSD             | Matrix:         | SOIL                         |
| Analytical Method: | 8270E                   | % Solid:        | 85.8                         |
| Sample Wt/Vol:     | 30.08      Units:    g  | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                      | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N       | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0     | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                  |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP025517.D        | 1         | 08/14/25 08:40 | 08/20/25 21:52 | PB169242      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|-----|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1900  |           | 33.6 | 150 | 200        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 1900  |           | 39.1 | 150 | 200        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 1200  |           | 53.5 | 150 | 200        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1800  |           | 24.8 | 150 | 200        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 4600  | E         | 270  | 310 | 380        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 4000  | E         | 120  | 310 | 380        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 1800  |           | 26.4 | 150 | 200        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 2000  |           | 58.2 | 150 | 200        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 1900  |           | 32.9 | 150 | 200        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 1800  |           | 31.0 | 150 | 200        | ug/Kg             |
| 86-73-7    | Fluorene                   | 1800  |           | 29.4 | 150 | 200        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1900  |           | 74.6 | 150 | 200        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 2000  |           | 120  | 310 | 380        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 1800  |           | 38.2 | 150 | 200        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1800  |           | 32.3 | 150 | 200        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 1800  |           | 29.4 | 150 | 200        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1900  |           | 39.5 | 150 | 200        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 4000  | E         | 59.6 | 310 | 380        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 1800  |           | 24.3 | 150 | 200        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1800  |           | 38.7 | 150 | 200        | ug/Kg             |
| 86-74-8    | Carbazole                  | 1800  |           | 36.3 | 150 | 200        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1900  |           | 55.7 | 150 | 200        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 1800  |           | 34.9 | 150 | 200        | ug/Kg             |
| 129-00-0   | Pyrene                     | 1900  |           | 41.8 | 150 | 200        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 2000  |           | 83.0 | 150 | 200        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 1300  |           | 42.7 | 310 | 380        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 1900  |           | 26.7 | 150 | 200        | ug/Kg             |
| 218-01-9   | Chrysene                   | 1900  |           | 23.1 | 150 | 200        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 2000  |           | 68.8 | 150 | 200        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 2000  |           | 100  | 310 | 380        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 1900  |           | 22.1 | 150 | 200        | ug/Kg             |

## Report of Analysis

|                    |                         |                 |                              |
|--------------------|-------------------------|-----------------|------------------------------|
| Client:            | First Environment, Inc. | Date Collected: | 08/04/25                     |
| Project:           | USACE018-44 DOD         | Date Received:  | 08/08/25                     |
| Client Sample ID:  | 22BP-WMSD               | SDG No.:        | Q2819                        |
| Lab Sample ID:     | Q2819-03MSD             | Matrix:         | SOIL                         |
| Analytical Method: | 8270E                   | % Solid:        | 85.8                         |
| Sample Wt/Vol:     | 30.08      Units:    g  | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                      | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N       | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0     | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                  |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP025517.D        | 1         | 08/14/25 08:40 | 08/20/25 21:52 | PB169242      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|-----|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 1900  |           | 26.0 | 150 | 200        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 1900  |           | 34.3 | 150 | 200        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 1900  |           | 33.8 | 150 | 200        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 1900  |           | 31.8 | 150 | 200        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 1900  |           | 29.9 | 150 | 200        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 1900  |           | 29.8 | 150 | 200        | ug/Kg             |
| 123-91-1   | 1,4-Dioxane                | 1600  |           | 52.5 | 150 | 200        | ug/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 1900  |           | 31.8 | 150 | 200        | ug/Kg             |

### SURROGATES

|            |                      |      |  |          |  |     |          |
|------------|----------------------|------|--|----------|--|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 103  |  | 35 - 115 |  | 69% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 101  |  | 34 - 127 |  | 68% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 65.6 |  | 37 - 122 |  | 66% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 60.6 |  | 44 - 115 |  | 61% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 104  |  | 39 - 132 |  | 69% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 60.7 |  | 54 - 127 |  | 61% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |         |        |
|------------|------------------------|---------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 185000  | 7.79   |
| 1146-65-2  | Naphthalene-d8         | 722000  | 10.56  |
| 15067-26-2 | Acenaphthene-d10       | 447000  | 14.396 |
| 1517-22-2  | Phenanthrene-d10       | 890000  | 17.207 |
| 1719-03-5  | Chrysene-d12           | 904000  | 21.654 |
| 1520-96-3  | Perylene-d12           | 1030000 | 25.019 |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products